

DATE 0021Z 16 FEB 65

SECRET

*D-tech* *TD/ST*

25X1A

TO : DIRECTOR

FROM :

25X1A

ACTION:

INFO :

TOR 0055Z 16 FEB 65

25X1A

ROUTINE

IN 72054

25X1A

TO

PRIORITY

INFO

CITE

0274

DXCART

# PRELIMINARY Q BAY PACKAGE TEST REPORT

## 1. GENERAL.

1. TYPE I.
2. TEST NO. AIF-977.
3. TEST DATE 12 FEB 65.
4. ARTICLE NO. 126.
5. TIME: T.O.: 1600Z. LAND: 2220Z.
6. PACKAGE OPERATE TIME: 64 MINUTES TOTAL BETWEEN 1857Z AND 2206Z.
7. TEST CONDITION:
  - A. PRESS ALT: 72M.
  - B. MACH NO: 2.42.
  - C. I. N. S. STATUS: OPERATIVE.
  - D. WEATHER: CLEAR AND CALM.

## 8. TEST OBJECTIVES:

- A. TEST OF ABILITY OF SYSTEM TO MAINTAIN PHASING

SECRET

GROUP 1  
EXCLUDED FROM AUTOMATIC  
DOWNGRADING  
AND DECLASSIFICATION

25X1A

0274 (IN 720542)

S E C R E T

PAGE TWO

THROUGHOUT VEHICLE MOTION, AFTER MODIFICATION INVOLVING DRIVE OF REPEATER FROM FORWARD SCANNER TACHOMETER.

B. TEST OF STABILITY OF ANTI BACKWARD CIRCUIT FOLLOWING INSTALLATION OF LC FILTER AT INPUT TO DATA FLASH POWER SUPPLY TO PREVENT SPURIOUS TRIGGERING OF ANTI BACKWARD FLIP-FLOP.

9. TEST RESULTS: THE F TEST RESULTS INDICATE THAT THE OBJECTIVE OF 95 PERCENT GOOD MATERIAL HAS BEEN MET. THE TEST RESULTS INDICATE THAT THE ANTI BACKWARD CIRCUIT MUST HAVE THE RELATIVE POSITION OF THE HEADS CHANGED SO THAT A CAGE CONDITION WILL NOT MECHANICALLY ACTIVATE IT. IN THE TWO CASES WHERE THE ANTI BACKWARD CIRCUIT WAS ACTIVATED THE RECOVERY OF PHASING WAS MADE WITHIN A REASONABLE TIME, AFTER THE CESSATION OF THE ANTI BACKWARD. THIS TIME CAN BE REDUCED BY A FACTOR OF TWO.

INITIAL EVALUATION SHOWS RESOLUTION IN EXCESS OF 150 LINES PER MILLIMETER.

10. COMMENTS: THE REMAINING MINOR AREAS THAT MUST BE BROUGHT UP TO PAR PRIOR TO A GREEN RATING INCLUDE, CLEANING SLITS, AND FINDING LIGHT LEAKS, STABILIZATION BALANCE, REPAIR OF THE AFT. I.M.C., STATIC POSITIONING OF THE CLOCKS, MECHANICAL POSITIONING OF THE DATA CHAMBER.

END OF MESSAGE

S E C R E T